

handheld

Algiz XRW User's Manual



ALGIZ XRW

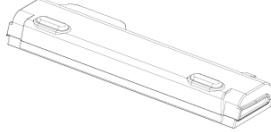




Quick Start Guide V0.3



handheld



Accessory

Item	Description	Note
	1 piece of 6 Cell Li-Polymer Battery Pack	
	1 piece of DVD for System Driver Utility.	
	1 piece of 19V Adapter w/ Standard Power Cord. Euro / U.S. Std type, 1.8M	
	1 piece of Recovery DVD for Operation System.	With Windows 7 Ultimate embedded preinstalled
	1 piece of Windows 7 Recovery User's Guide.	With Windows 7 Ultimate embedded preinstalled



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If there is a time gap of over 30 days between the date marked on the serial number and the shipping date, the one-year warranty time will then activate from the shipping date. The third and fourth digits of the serial numbers stand for the manufacturing year and the fifth digit stands for the manufacturing month (e. g., with A for October, B for November and C for December). For example, the serial number 1W10Axxxxxxx means October of year 2010.

**Customer Service**

We provide service guide for any problem as follow steps :

1. Visit Handheld website www.handheldgroup.com to get the updated product information.
2. Contact with your distributor, sales representative, or our customer service center for technical support if you need further assistance. You may have the following information ready before you make the phone call :
 - Product serial number
 - Peripheral attachments
 - Software (OS, version, application software, etc.)
 - Detailed description of problems
 - The exact wording or print screen images of any error messages

In addition, free technical support is available at Winmate in every business day. We are always ready to provide guidance in terms of application requirements or specific information in terms of installation and operation of all our products. Please feel free to call or e-mail us.

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Safety Precautions

- Warning!



housing.

Always completely disconnect the power cord from the device before you uncover the device and work on the hardware. Do not connect the electronic device with power socket while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel are suggested to open mechanical

- Caution!



Always ground yourself to remove any static charge before touching the CPU card. The electronic devices are very sensitive to static electricity. For safety concerns, please use a grounding wrist strap all the time. Place all electronic components in a static-dissipative surface or static-shielded bag when they are outside of the chassis.

UL Safety Announcement



UL Classification: Class I mark: with respect to electronic shock; Fire and hazardous material only in accordance with the regulation of UL-60950 and CAN/CSA C22.2 No. 601.1.

- Power Supply Announcement

The Handheld Rugged Netbook Power is supplied by Power Adapter and Battery Pack, the power rating announcement and manufacturer information are listed as below.

FEDERAL COMMUNICATIONS COMMISSION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RF exposure warning

The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RF exposure information (SAR)

This Rugged Notebook meets the government's requirements for exposure to radio waves. This Rugged Notebook is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless Rugged Notebook employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the Rugged Notebook transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the Rugged Notebook while operating can be well below the maximum value. This is because the Rugged Notebook is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. The highest SAR value for US model Rugged Notebook as reported to the FCC when tested for use at the body, as described in this user guide, is 1.192 W/kg.

Industry Canada Class B Statement

This Class [B] digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

IEEE 802.11b or 802.11g operation of this product in the Canada is firmware-limited to channels 1 through 11.

Déclarations d'exposition aux RF liées
Avertissement d'exposition RF: L'équipement est conforme aux limites d'exposition aux RF établies pour un environnement non contrôlé. L'antenne (s) utilisée pour ce transmetteur ne doit pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.

Ce dispositif est conforme à la norme de l'industrie Canada exempts de licence RSS (s). L'opération est soumise aux deux conditions suivantes: (1) Cet appareil ne peut causer d'interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.



● Power Notice!

Power Adapter	Manufacture: FSP Group Model: FSP065-AAB Input Rated: 100-240Vac, 1.8A, 50-60Hz. Output Rated: DC \equiv 19V,3.42A.
Battery Pack	Manufacture: JHT Energy International Co Ltd Model: ALGX-08A Rated: 5200mAh, DC 11.1V



Please notice that the power code of adapter needs to be connected to the ground (earth).



Please push the power button for at least 4 seconds to enter sleep mode (See Chapter 2.1 Starting and Stopping the Tablet PC).

WARNING

Do not fix or replace battery, it may cause explosion!
 Only use with specified battery by following the manufacturer's user manual's instruction.



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Chapter 1 – Specification

Algiz XRW is a rugged netbook designed for the use in various challenging environments, e.g., field work, outdoor activities and construction site. With its rugged design, Algiz XRW is able to sustain shock, vibration, high humidity as well as high/ low temperatures.

1. System Specification

System	
Processor	Intel® Atom™ Processor N2600
BIOS	AMI System BIOS
Chipset	Intel® NM10 Express Chipset
Memory	1 x SODIMM, DDR3 1333 2GB
LAN Controller	Broadcom BCM57780 Gigabit-LAN
Storage	SATA interface support Mini-PCle interface SSD 64GB
Audio	Audio-out for headset, Audio-in to send in audio signal, Microphone-in for microphone jack, 1.5W Speaker (Internal)

Display Specification	
Size	10.1" (16:9)
Resolution	1366 x 768
Brightness	600 cd/m2 (typ.)
Touch	4W Resistive Touch

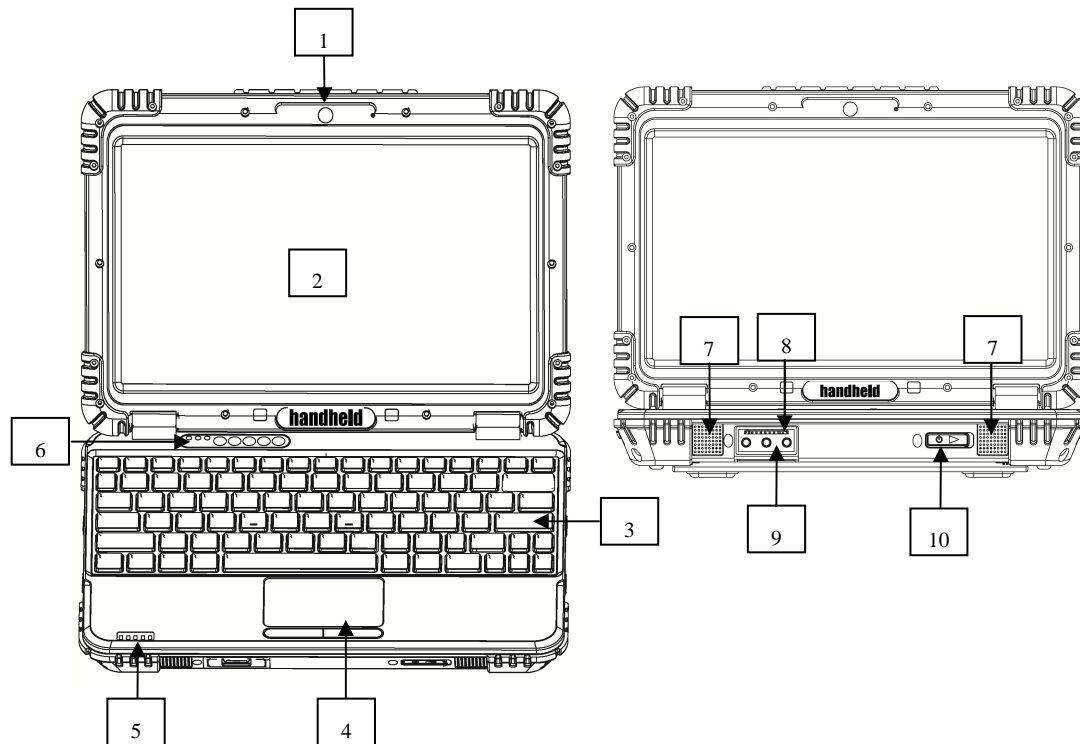
I/O Connectors	
Left I/O Port	2x USB, 1x Giga LAN, 1x DC Power Jack
Right I/O Port	1xVGA, 1x RS232
Front I/O Port	1x Microphone-In, 1x Audio in, 1x Audio Out, 1x SD card slot, 1x Power slide
Bottom I/O Port	1x Pogo-pin for Docking, 1x Service Window

Buttons and Indicators	
Control Button	3 LED indicators (Number Lock/ CAP Lock/ Scroll Lock) and 5 buttons (Power/Volume down / Volume up / Brightness down / Brightness up)
LED indicators	Power / Hard Disk/ WLAN/ Bluetooth/Battery Status

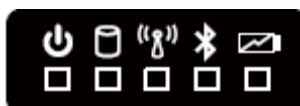



Chapter 2 – Identifying Hardware Components

1. Front Side

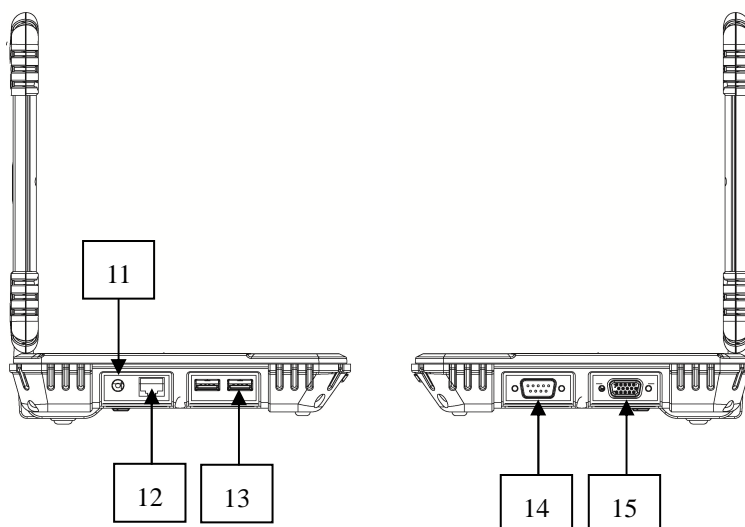


Ref.	Item	Description
1	Webcam + Microphone	2 megapixels Webcam with Microphone is used for picture taking, video recording as well as any other possible interactive activities.
2	LED Display	High brightness LED panel displaying computer output
3	Keyboard/ Quick Launch Buttons	The built-in keyboard is with all the functions of a full-sized keyboard including Hot Keys (Fn) whose definition will be elaborated later.
4	Touch Pad with left and right keys	Touch pad with left and right keys serve as a regular mouse of desktop PC.
5	LED Indicator	Indicates the status of Power/ Hard Disk/ WLAN/ Bluetooth/Battery



6	On Screen Display 	OSD includes 3 LED indicators (Number Lock/ CAP Lock/ Scroll Lock) and 5 buttons (Power/Volume down / Volume up /Brightness down / Brightness up)
7	Stereo Speakers	1.5W stereo speakers
8	SD Card Slot	Accepts Secure Card(SD)
9	Audio in/ Audio out/ Microphone in	Audio out: connects with external audio line out devices such as headphones or external speakers Audio in: allows users to send audio signal to the laptop for processing or recording Microphone in: used to connect

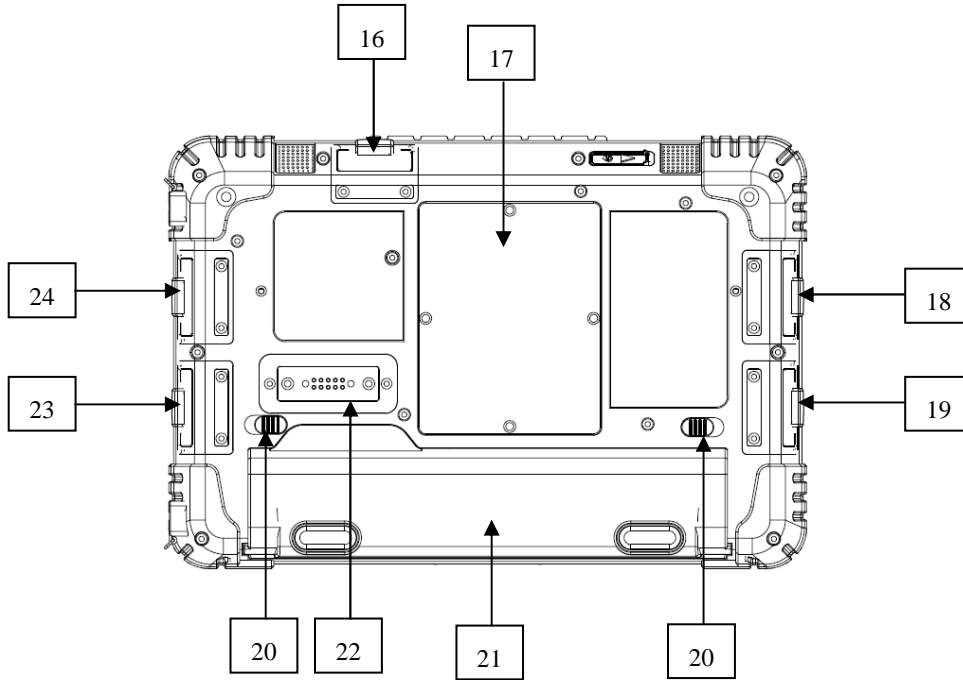
2. Left and Right Side



Ref.	Item	Description
11	DC Power Jack	Plug in DC plug to input the power to the device
12	Ethernet(RJ45) Port	Connect to a Ethernet 10/100/1000 based network
13	USB 2.0 Port x 2	Can be connected with any USB-interface peripherals
14	RS232	Accepts external connection that is with interface of RS232 (D-sub 9 pins)
15	VGA	For connection with external displays devices such as monitors and projectors



3. Bottom side


















Ref.	Item	Description
16	SD card & Audio Cover	Open the cover to use the SD card slot and Audio jacks
17	Service Window	Unscrew to install and uninstall SSD/ 3G/ WiMAX module and SIM card
18	VGA Cover	Open the cover to plug in the VGA cable
19	RS232 Cover	Open the cover to plug in the RS232 cable
20	Battery Lock	Used to fastens the battery
21	Battery	Used for the purpose of portability of ALGIZ XRW
22	Pogo Pin	Pogo pin for docking station
23	Battery Latch	Sliding latches to fasten or release the battery
24	USB Cover	Open the cover to plug in any USB 2.0 interfaced devices
25	DC Jack & Ethernet Port Cover	Open the cover to plug in DC Power Plug and RJ-45 LAN cable



Chapter 3 – Buttons and Indicators

1. Function Keys

Hot Key	Function	Icon	Description
Fn+F1	Sleep mode		Enter the sleep mode
Fn+F2	GPS		Enable/ Disable the function of GPS
Fn+F3	WLAN/ Wi-Fi		Enable/ Disable the function of Wireless LAN
Fn+F4	3G	3G	Enable/ Disable the function of 3G
Fn+F5	Bluetooth		Enable/ Disable the function of Bluetooth
Fn+F6	Touchpad		Enable/ Disable Touchpad
Fn+F7	Volume down		Decrease the volume
Fn+F8	Volume up		Increase the volume
Fn+F9	Mute		Muffle the audio sound
Fn+F10	Brightness down		Decrease the display brightness
Fn+F11	Brightness up		Increase the display brightness
Fn+F12	LCD/ External Monitor switch		Switch signal between laptop display and external connected monitor or both
Fn+Esc	Webcam		Enable/ Disable the function of webcam
Fn+ ~	WiMAX		Enable/ Disable the function of WiMAX
Fn+1	Keyboard Auxiliary Light		Turn on/off the keyboard auxiliary light
Fn+2	Stealth mode		Enable/ Disable all LED indicators



2. On Screen Display Hot Keys



Function	Icon	Description
Number lock		Enable/ disable the number lock
Capital lock		Enable/ disable the capital lock
Scroll lock		Enable/ disable the scroll lock
Volume down		Decrease volume
Power		Boot up the netbook.
Volume up		Increase volume
Brightness down		Decrease brightness
Brightness up		Increase brightness

3. LED Indicators



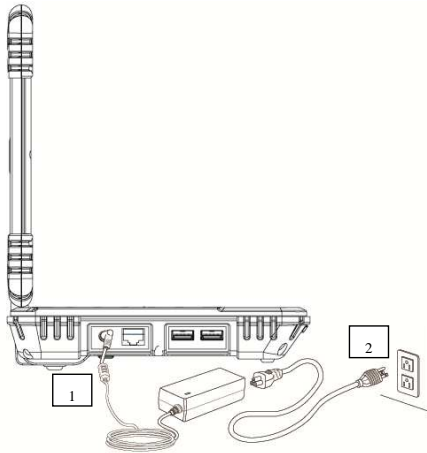
Function	Icon	Description
Power Status		Green light – Power on Orange light – Sleep mode
HDD Status		Green light – System is accessing the hard disk drive
Wi-Fi Status		Green light – Wi-Fi on
Bluetooth Status		Green light – Bluetooth on
Battery Status		Red light – Low Battery Green light – Full Battery Yellow light – Charging



Chapter 4 – Getting Your Device Ready

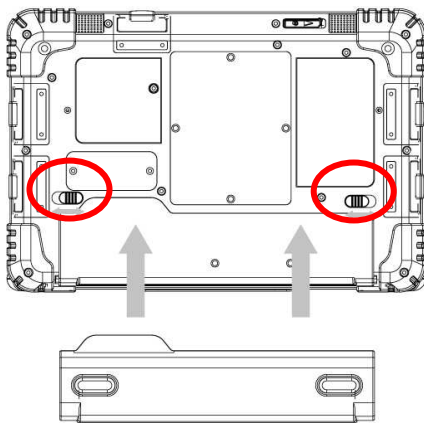
1. Make sure that your device is either connected to AC power or a battery that still has power.
2. Press the power button to turn on your ALGIZ XRW.

1. Plug in the AC Power



1. Plug the DC power cord of the AC adapter into the power connector of the device
2. Plug the female end of the AC power cord into the AC adapter and the male end into an electrical outlet
3. Slide the power switch to boot the system

2. Installing Battery Pack



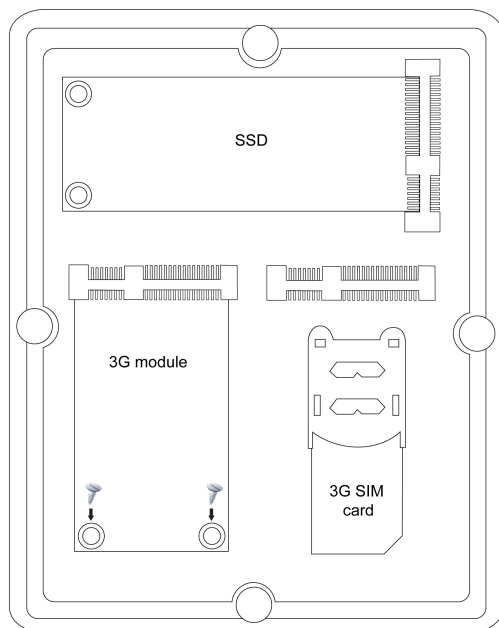
1. Push the latches aside to install / release the battery to the battery compartment

Caution

Before you use your ALGIZ XRW, you will have to charge the battery packs as soon as ALGIZ XRW is connected with the external power source. Please fully charge the battery in advance of operating ALGIZ XRW. The new battery packs must be 100% charged before ALGIZ XRW is disconnected from the external power source. It takes few hours to fully charge the battery when ALGIZ XRW is turned off.

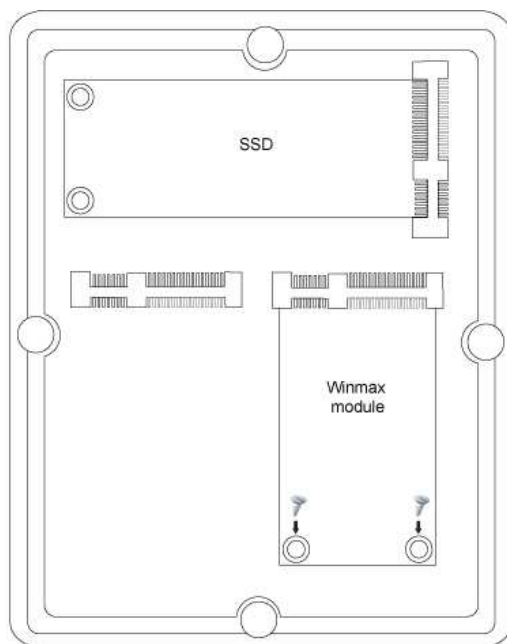


3. Installing 3G and WiMAX SIM Cards



3G Installation

1. Plug in the 3G module to mini PCIe slot and screw the module onto the motherboard
2. Pull up the SIM card socket to insert the 3G SIM card and then push the SIM card socket back.



WiMAX Installation

1. Plug in the WiMAX module to mini PCIe slot and screw the module onto the motherboard